

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P640325

Luminaire Tested: GWS-SA5D-760-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640325
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5D-760-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31386.9 lumens
Efficiency: N/A
Efficacy: 153.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

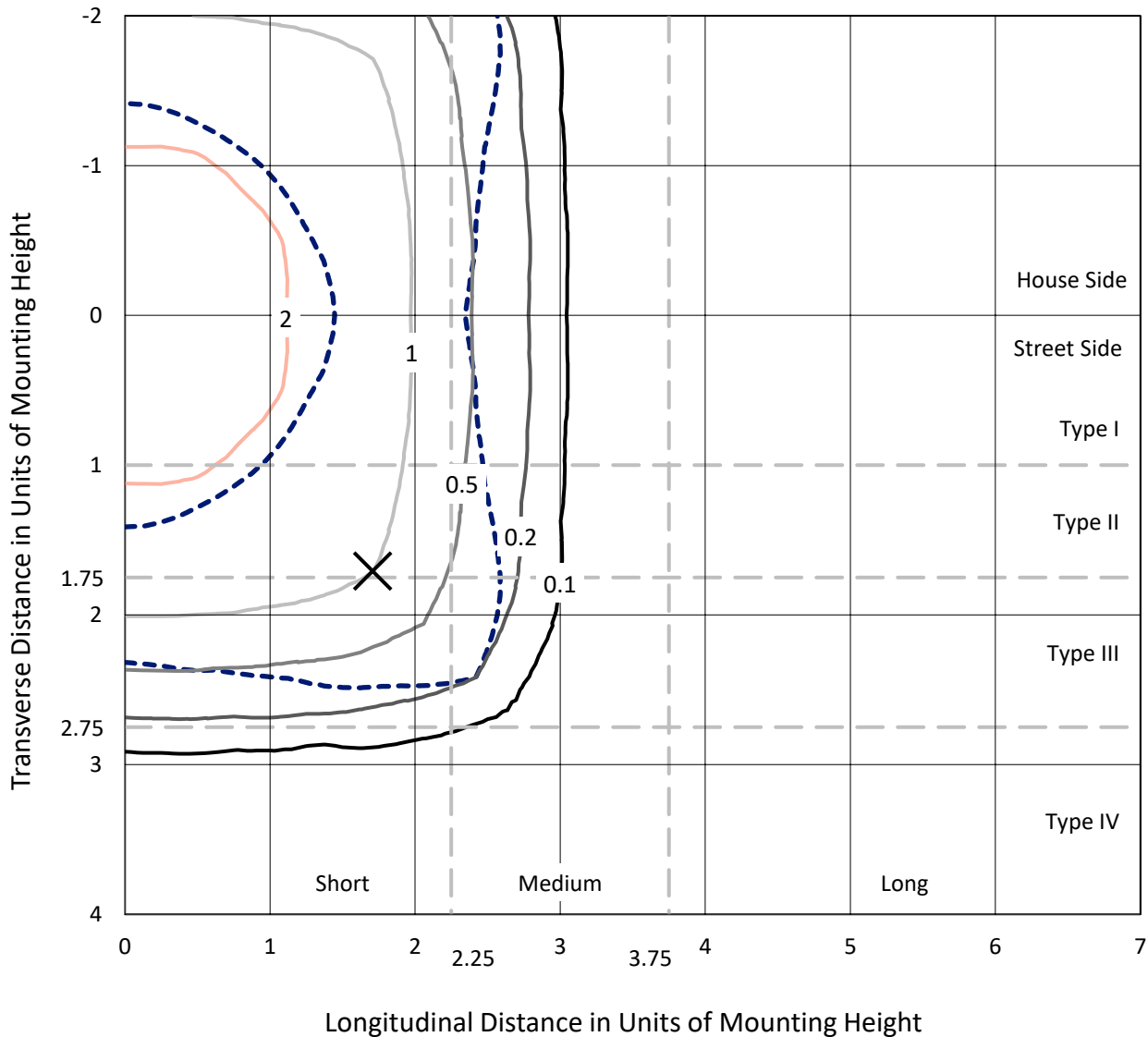
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

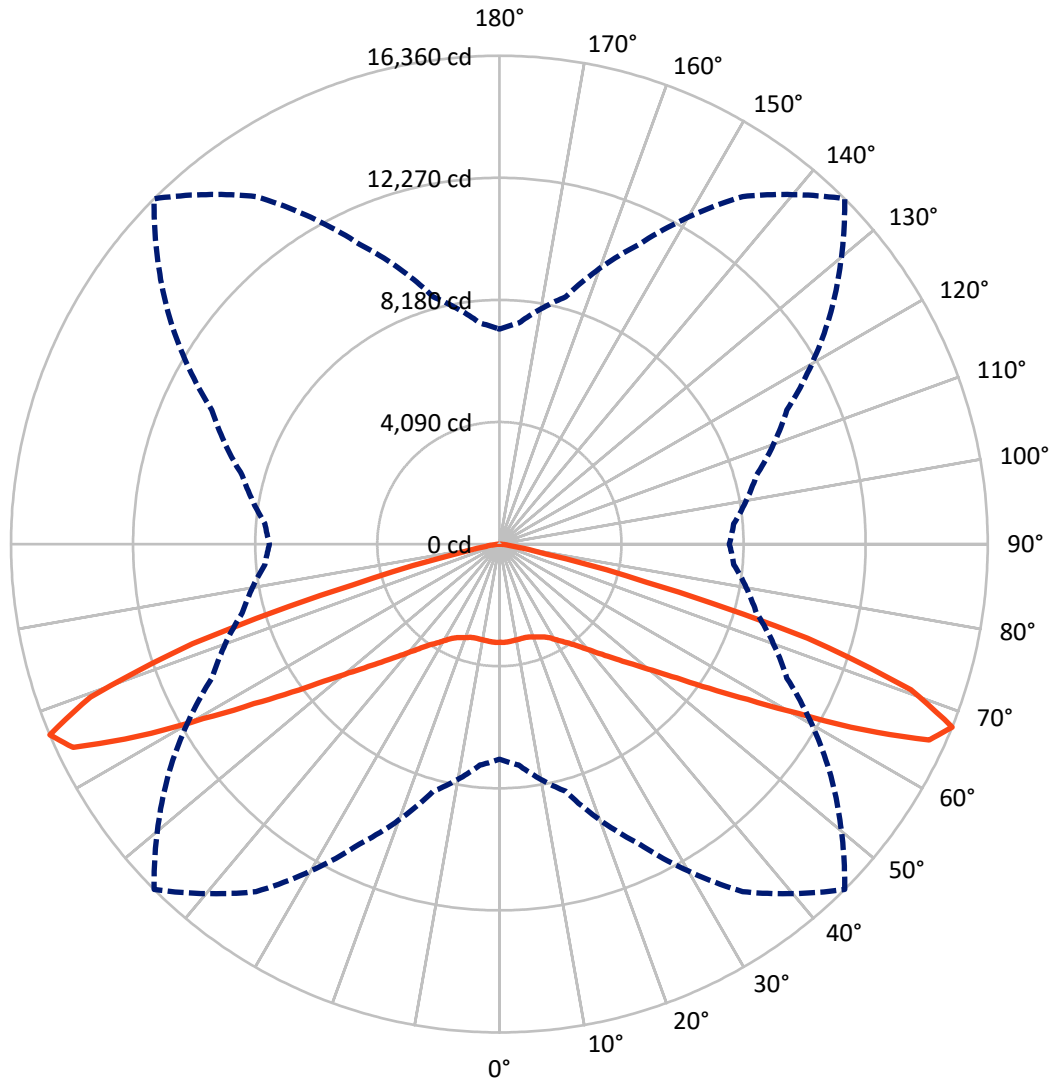
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 3.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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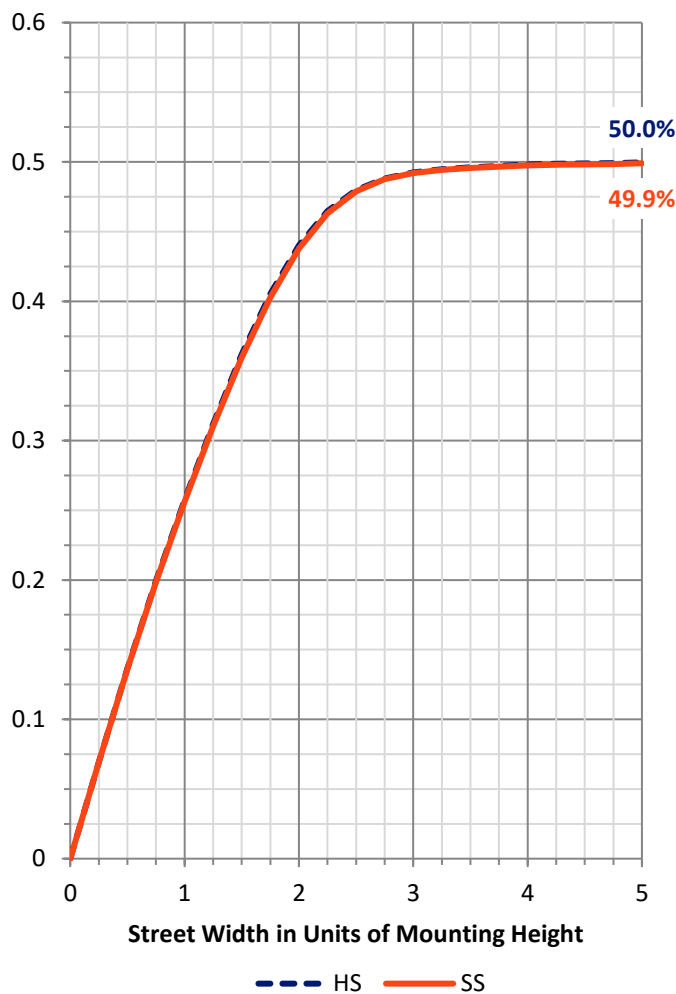
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15693.4	0.0	15693.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15693.4	0.0	15693.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	31386.9	0.0	31386.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	311.1	1.0
10°-20°	913.8	2.9
20°-30°	1576.0	5.0
30°-40°	2562.7	8.2
40°-50°	4315.1	13.7
50°-60°	7645.5	24.4
60°-70°	10928.7	34.8
70°-80°	2999.5	9.6
80°-90°	134.4	0.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	31386.9	100.0
0°-180°	31386.9	100.0

Coefficient of Utilization



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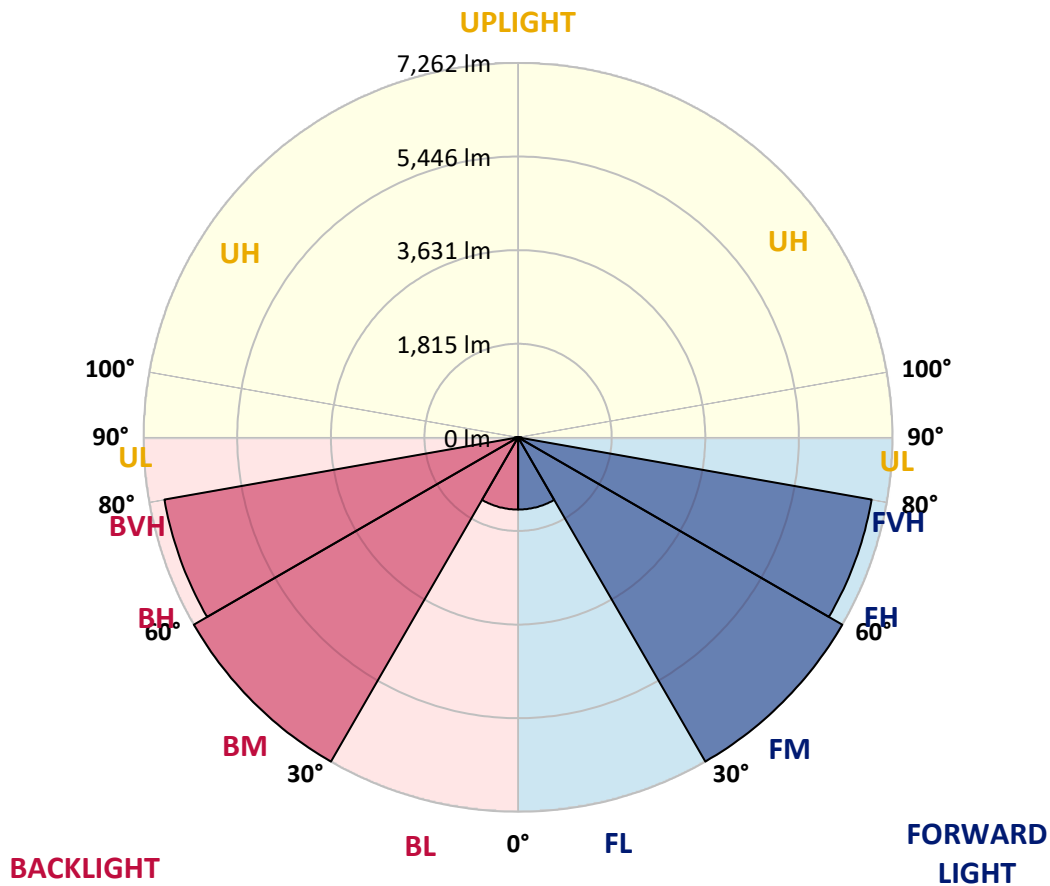
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1400.5	4.5			
FM (30°-60°)	7261.7	23.1			
FH (60°-80°)	6964.1	22.2			G3/7500
FVH (80°-90°)	67.2	0.2			G1/100
BL (0°-30°)	1400.5	4.5	B3/2500		
BM (30°-60°)	7261.7	23.1	B4/8500		
BH (60°-80°)	6964.1	22.2	B5		G3/7500
BVH (80°-90°)	67.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3287.2	3287.2	3287.2	3287.2	3287.2	3287.2	3287.2	3287.2	3287.2	3287.2	3287.2
2.5°	3265.5	3263.3	3274.2	3280.7	3278.5	3293.7	3291.6	3287.2	3287.2	3280.7	3298.1
5°	3265.5	3263.3	3272.0	3274.2	3269.8	3282.9	3278.5	3274.2	3274.2	3265.5	3280.7
7.5°	3248.1	3250.3	3256.8	3261.2	3256.8	3267.7	3261.2	3252.5	3250.3	3241.6	3256.8
10°	3215.5	3217.7	3224.2	3235.1	3237.3	3256.8	3245.9	3230.7	3224.2	3215.5	3230.7
12.5°	3196.0	3198.1	3204.7	3217.7	3222.0	3248.1	3237.3	3213.4	3202.5	3193.8	3209.0
15°	3191.6	3193.8	3202.5	3215.5	3222.0	3248.1	3237.3	3209.0	3193.8	3182.9	3196.0
17.5°	3191.6	3196.0	3209.0	3228.6	3241.6	3267.7	3254.6	3222.0	3200.3	3180.8	3193.8
20°	3193.8	3200.3	3219.9	3248.1	3280.7	3317.6	3300.3	3256.8	3226.4	3202.5	3211.2
22.5°	3213.4	3224.2	3248.1	3285.1	3332.9	3376.3	3361.1	3302.4	3259.0	3226.4	3235.1
25°	3280.7	3285.1	3315.5	3363.3	3408.9	3445.8	3430.6	3376.3	3322.0	3282.9	3293.7
27.5°	3400.2	3411.1	3437.1	3487.1	3526.2	3545.8	3543.6	3506.7	3452.3	3417.6	3426.3
30°	3543.6	3554.5	3589.2	3645.7	3684.8	3706.5	3700.0	3671.8	3621.8	3574.0	3582.7
32.5°	3710.9	3715.2	3756.5	3819.5	3860.8	3893.4	3871.7	3841.3	3778.2	3721.8	3726.1
35°	3923.8	3930.3	3973.8	4032.4	4065.0	4091.1	4086.8	4056.3	3989.0	3928.2	3943.4
37.5°	4191.0	4195.4	4234.5	4308.4	4334.4	4354.0	4358.3	4343.1	4273.6	4195.4	4210.6
40°	4523.5	4525.6	4569.1	4634.3	4662.5	4675.6	4677.7	4679.9	4608.2	4549.5	4545.2
42.5°	4910.2	4921.1	4981.9	5044.9	5057.9	5051.4	5073.1	5094.9	5025.3	4945.0	4951.5
45°	5373.0	5379.5	5462.1	5531.6	5507.7	5486.0	5527.2	5570.7	5507.7	5403.4	5373.0
47.5°	5920.5	5933.5	6022.6	6092.1	6053.0	6013.9	6081.3	6126.9	6024.8	5914.0	5885.7
50°	6539.7	6548.4	6674.4	6761.3	6715.7	6644.0	6728.7	6776.5	6639.6	6502.8	6441.9
52.5°	7271.9	7254.5	7421.8	7573.9	7545.6	7452.2	7521.7	7530.4	7326.2	7132.8	7072.0
55°	8164.8	8147.5	8314.7	8482.0	8551.6	8527.7	8495.1	8442.9	8140.9	7934.5	7878.0
57.5°	9205.5	9151.2	9385.9	9611.8	9763.9	9807.4	9668.3	9546.6	9307.6	9053.4	8988.3
60°	10172.4	10170.2	10541.7	10932.8	11349.9	11523.8	11171.8	10841.5	10304.9	9842.1	9748.7
62.5°	10443.9	10489.6	11097.9	12066.9	13096.8	13711.6	12783.9	11691.0	10654.7	9957.3	9833.4
65°	9774.8	9887.7	10752.5	12282.0	14315.6	15819.1	13724.7	11710.6	10265.8	9396.7	9266.4
67.5°	7204.5	7430.5	8575.5	11082.7	14211.3	16360.1	13557.4	10626.4	8916.6	7882.4	7702.1
70°	3554.5	3769.6	4677.7	7291.4	11693.2	14624.1	11730.2	8008.4	6022.6	5027.5	4862.4
72.5°	1307.9	1394.8	1751.2	3119.9	6452.8	10802.4	8021.4	4473.5	2917.9	2322.6	2211.8
75°	640.9	656.1	710.5	1047.2	2381.2	5084.0	3769.6	1716.4	1073.3	934.2	903.8
77.5°	408.5	415.0	441.0	499.7	764.8	1601.2	1142.8	677.9	525.8	504.1	504.1
80°	228.1	234.6	269.4	310.7	358.5	549.7	410.6	406.3	345.5	302.0	295.5
82.5°	108.6	119.5	171.6	169.5	189.0	275.9	241.2	219.4	221.6	167.3	158.6
85°	50.0	50.0	67.4	80.4	84.7	93.4	110.8	126.0	123.8	84.7	91.3
87.5°	23.9	23.9	23.9	21.7	19.6	17.4	23.9	39.1	56.5	39.1	36.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)